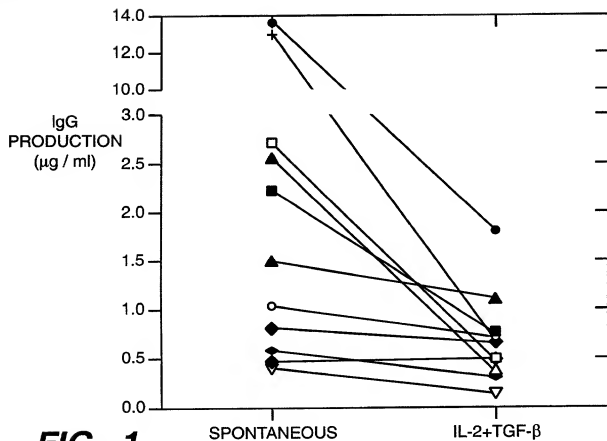
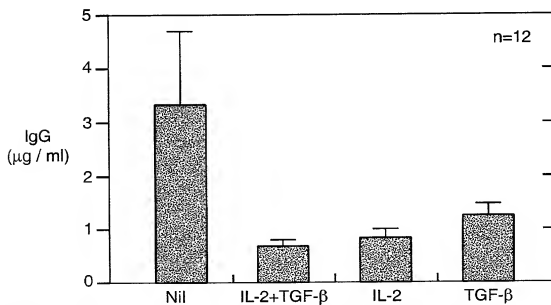




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**FIG.\_1****FIG.\_2**

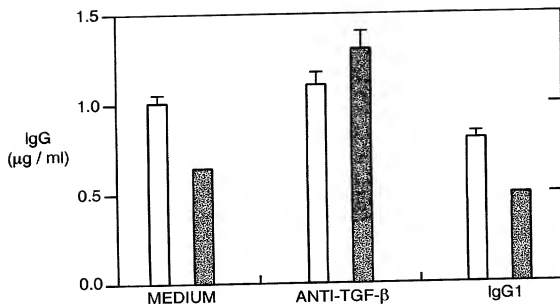
ADDED TO PBMC FOR 72 HOURS



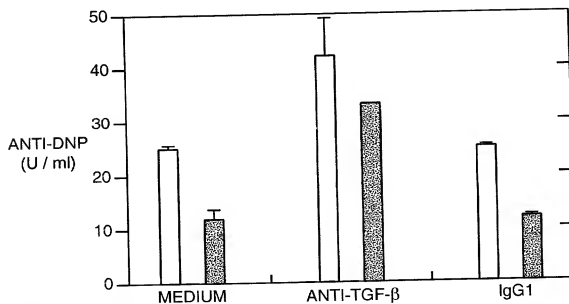
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**FIG.\_3A**



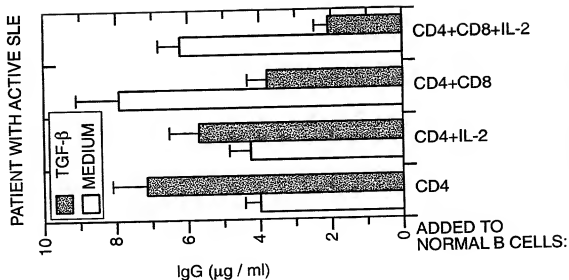
**FIG.\_3B**



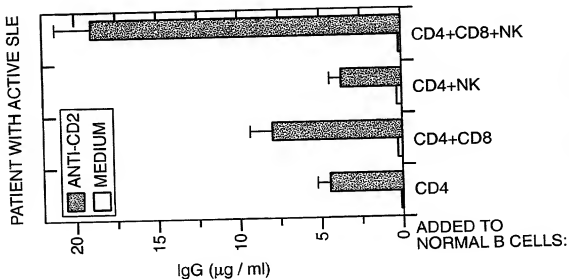
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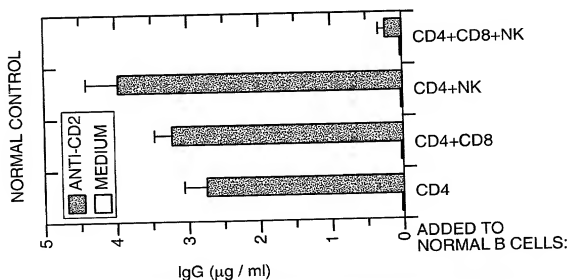
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**FIG.\_4C**



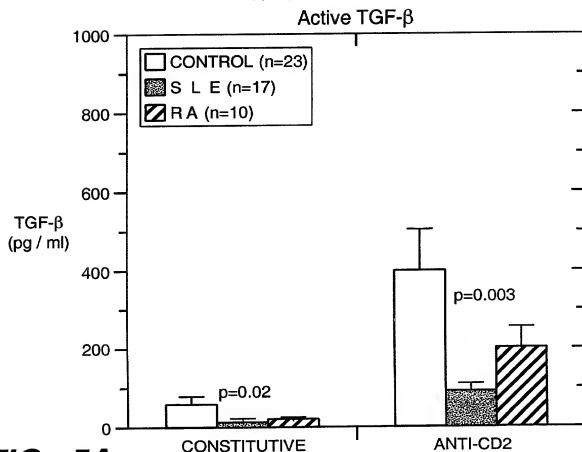
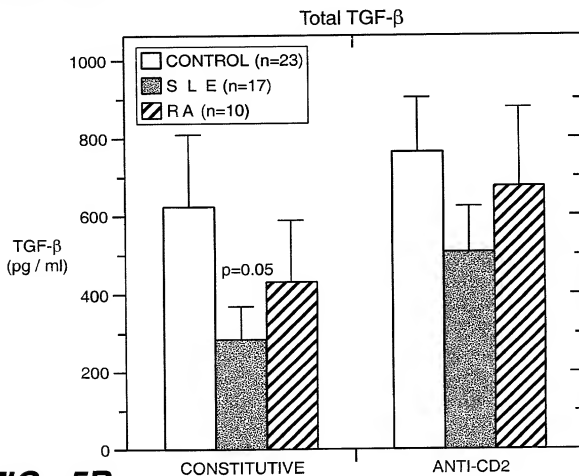
**FIG.\_4B**



**FIG.\_4A**



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**FIG.\_5A****FIG.\_5B**



TGF- $\beta$  has opposing effects on  
T cell production of TNF- $\alpha$  and IL-10

IL-10

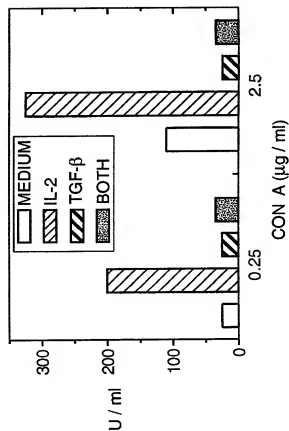


FIG.\_6B

TGF- $\beta$  has opposing effects on  
T cell production of TNF- $\alpha$  and IL-10

TNF- $\alpha$

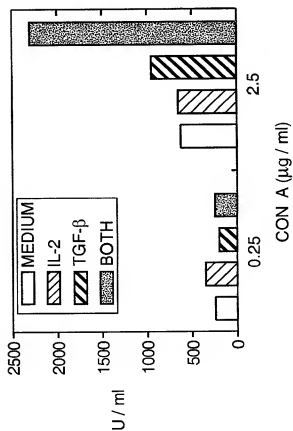


FIG.\_6A



TNF-  $\alpha$  is an essential  
intermediate for the generation  
of regulatory T cells by TGF- $\beta$

Exp 1

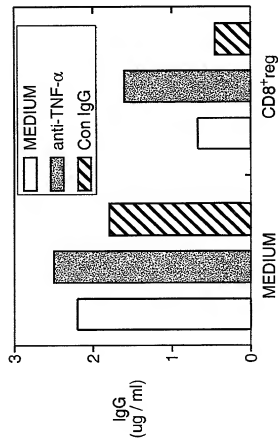


FIG..7A

TNF-  $\alpha$  is an essential  
intermediate for the generation  
of regulatory T cells by TGF- $\beta$

Exp 2

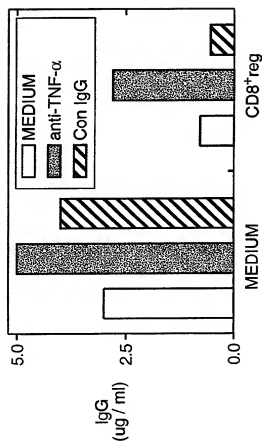


FIG..7B

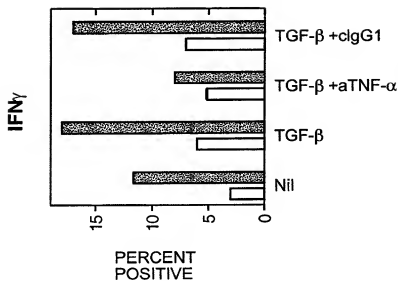


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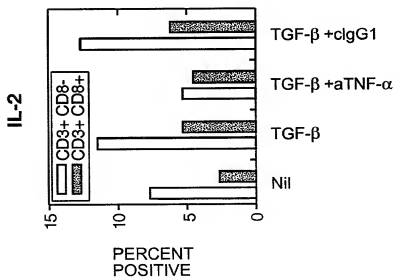
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Enhanced production of Th1  
cytokines by TGF- $\beta$  primed  
T cells is dependent  
upon TNF- $\alpha$



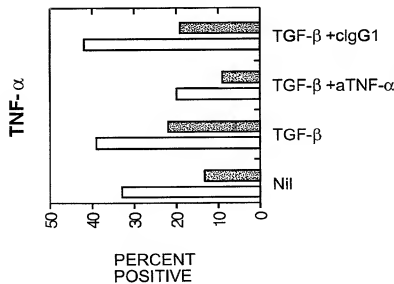
**FIG.\_8C**

Enhanced production of Th1  
cytokines by TGF- $\beta$  primed  
T cells is dependent  
upon TNF- $\alpha$



**FIG.\_8B**

Enhanced production of Th1  
cytokines by TGF- $\beta$  primed  
T cells is dependent  
upon TNF- $\alpha$



**FIG.\_8A**

+



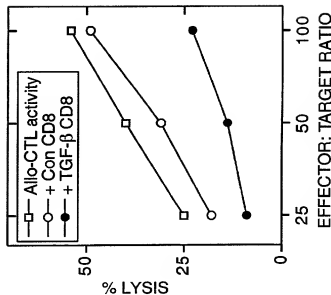
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Effect of TGF- $\beta$  on various  
T cell subsets in  
the generation of  
suppressors  
of cytotoxic T cell activity

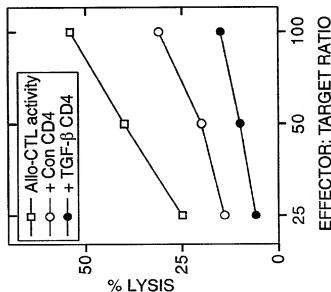
**CD8 CD45RA**



**FIG.\_9C**

Effect of TGF- $\beta$  on various  
T cell subsets in  
the generation of  
suppressors  
of cytotoxic T cell activity

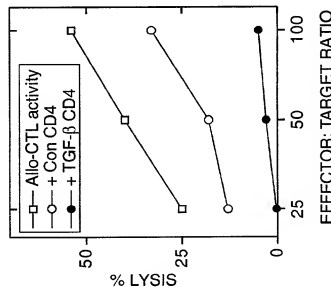
**CD4 CD45RO**



**FIG.\_9B**

Effect of TGF- $\beta$  on various  
T cell subsets in  
the generation of  
suppressors  
of cytotoxic T cell activity

**CD4 CD45RA**



**FIG.\_9A**





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Effect of CD4 cells primed  
with TGF- $\beta$  (CD4reg)  
on Allo-CTL activity

Exp 1

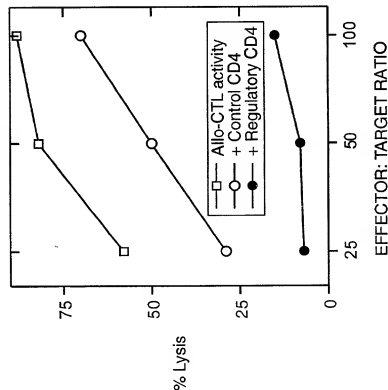


FIG. 10A

Effect of CD4 cells primed  
with TGF- $\beta$  (CD4reg)  
on Allo-CTL activity

Exp 2

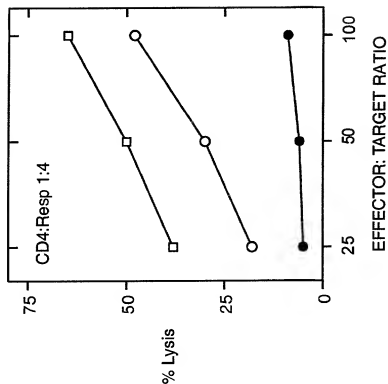


FIG. 10B



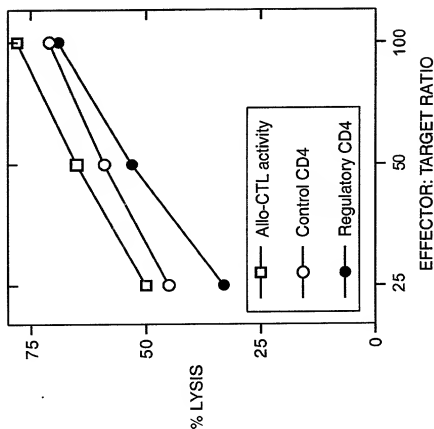
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CD4 regulatory T cells require  
cell contact to inhibit  
cytotoxic T lymphocyte activity

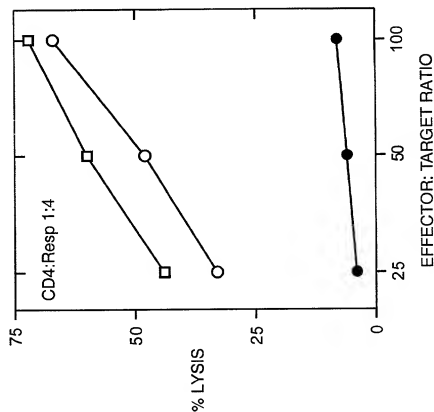
Separated from  
Effector cells



**FIG.\_11B**

CD4 regulatory T cells require  
cell contact to inhibit  
cytotoxic T lymphocyte activity

With Effector Cells



**FIG.\_11A**

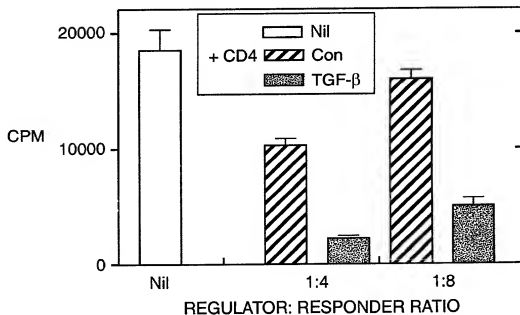


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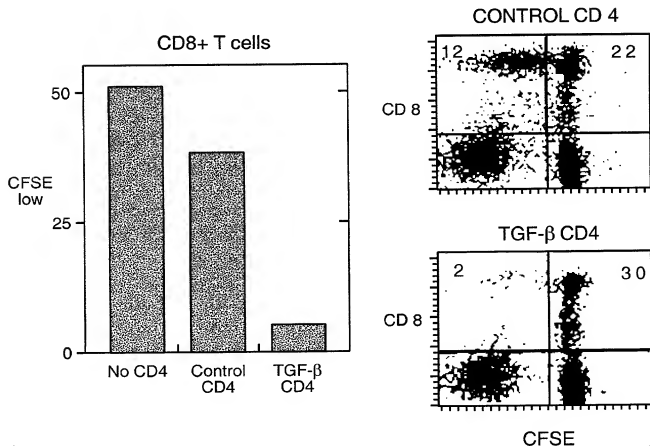
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Suppression of lymphocyte proliferation by regulatory  
CD4+ T cells induced with TGF- $\beta$



**FIG. 12**



**FIG. 13**

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Regulatory CD4+ T cells are  
CD25+ and are extremely  
potent

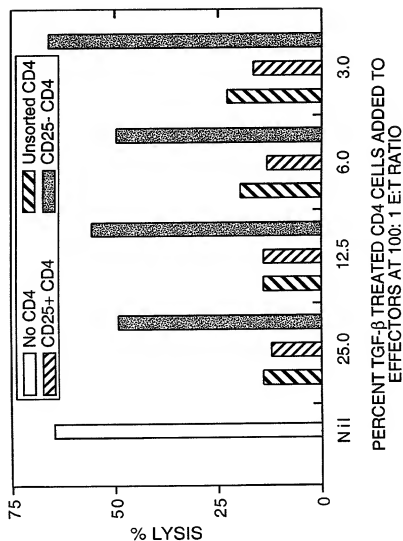


FIG.\_ 14B

Regulatory CD4+ T cells are  
CD25+ and are extremely  
potent

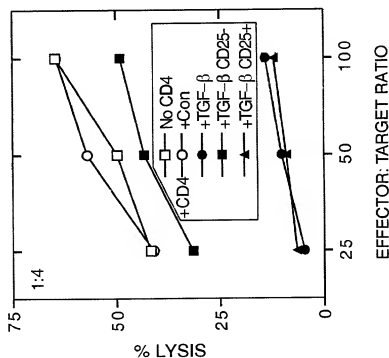


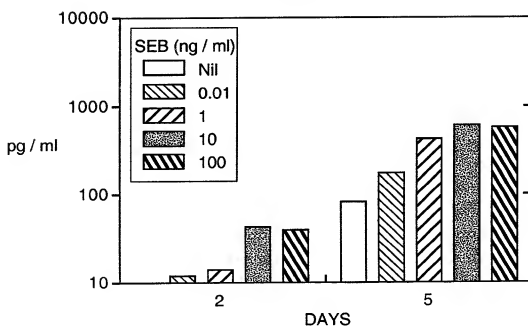
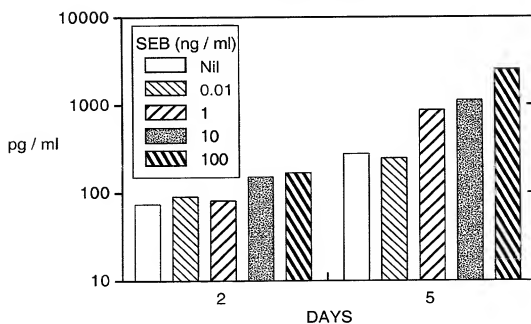
FIG.\_ 14A

+



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COPY OF PAPERS  
ORIGINALLY FILED**Active TGF- $\beta$** **FIG.\_ 15A****Total TGF- $\beta$** **FIG.\_ 15B**

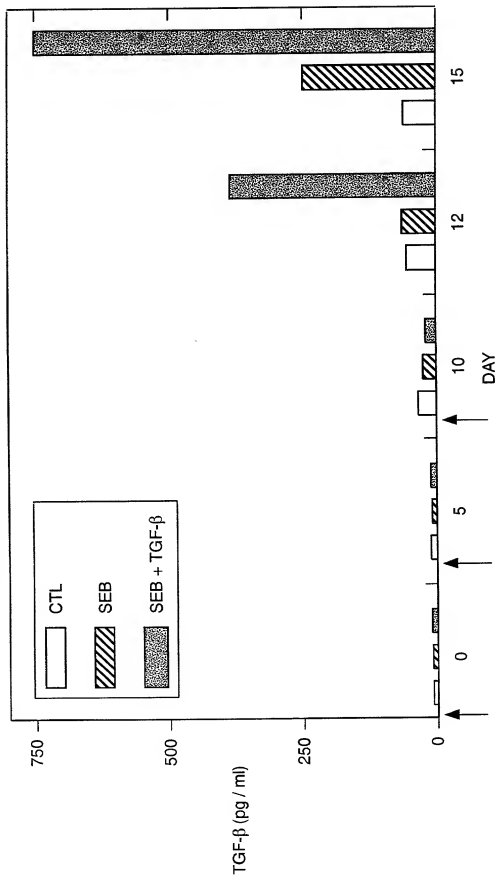


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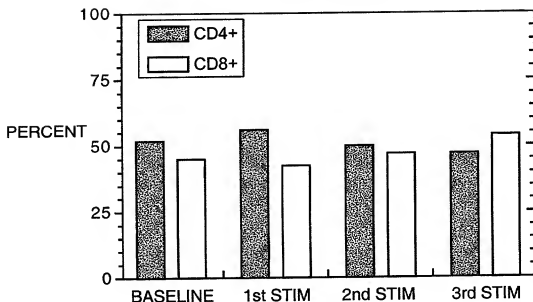
Repeated stimulation of CD4+ T cells with low dose SEB  
enables them to produce immunosuppressive levels of TGF- $\beta$

**FIG.\_16**

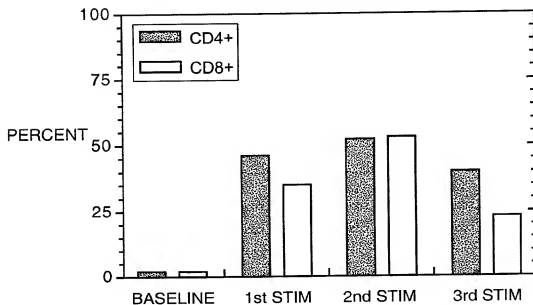
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Untreated  
T cell subset

**FIG.\_17A**

Untreated  
CD25 Expression

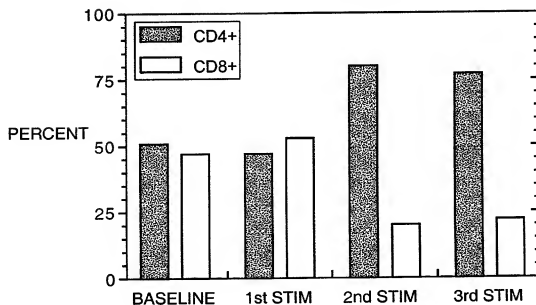
**FIG.\_17B**



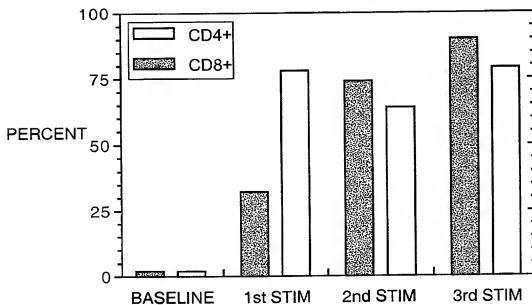
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TGF- $\beta$  Treated

T cell subset

**FIG.\_17C**TGF- $\beta$  Treated

CD25 Expression

**FIG.\_17D**